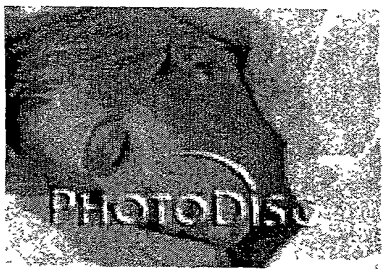
TYPES OF ANTICIPATED ACTIVITY

1 **Very Low Activity**
(Relaxation / Minimal Physical Exertion)



2 **Low Activity**
(Heightened Awareness / Slight Physical Exertion)

3 **Low to Moderate Activity**
(Interaction / Higher Levels of Physical Exertion)

4 **Moderate to High Activity**
(Heightened Physical Activity)

5 **High Activity**
(High Levels of Physical Exertion / Frequent Interaction)

6 **Very High Activity**
(Exercise & High Energy Activities)

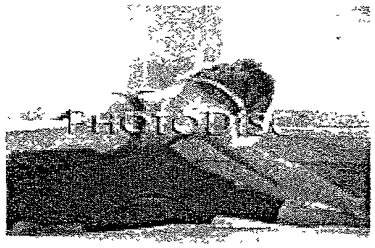


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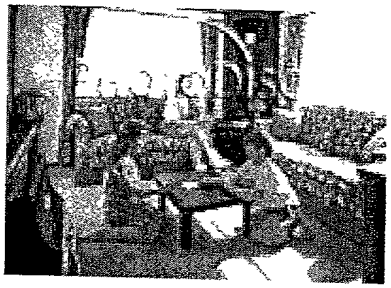
Figure 1

TYPICAL ROOM OCCUPANCY

1 Solitary

2 Couples

3 Family



4 More Family (or Friends)

5 Discussions /Meetings

6 Parties / Large Groups

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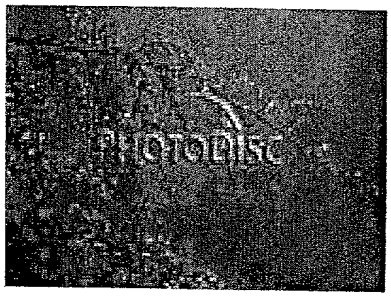
Figure 2

AVAILABLE LIGHT / ALL SOURCES

1 DARK

2 LOW LIGHT

3 MODERATE LIGHT



4 BRIGHT LIGHT

5 VERY BRIGHT LIGHT

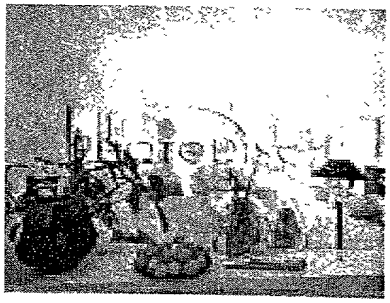


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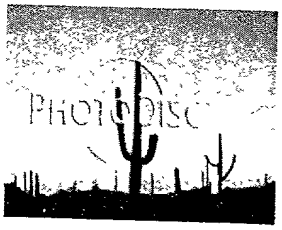
Figure 3

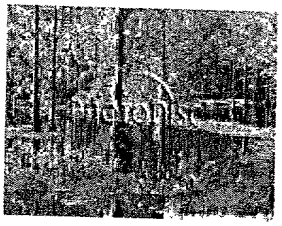
ROOM EXPOSURE

Southern Exposure

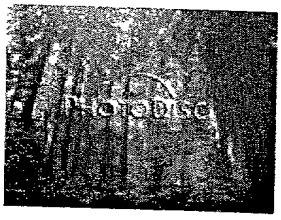
Western Exposure



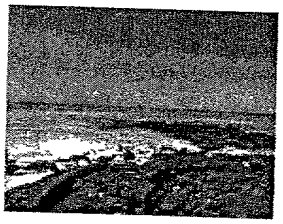
Southeastern Exposure



Northwestern Exposure



Eastern Exposure



Northern Exposure

No Windows

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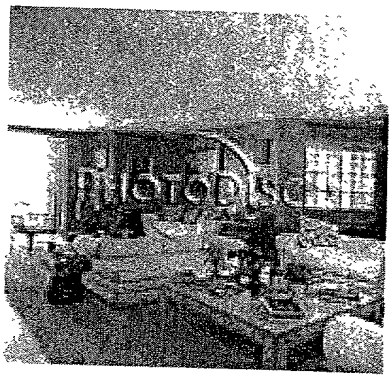
Figure 4

DESIRED SPATIAL EFFECTS

1 LARGE AND OPEN

2 LARGE BUT CONTAINED



3 SMALL BUT SPACIOUS

4 SMALL AND COZY

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Figure 5

Your Personal Room Color Profile

Room Selected: ☐

Your Favorite Color Family:

Blue / Blue-Violet / Blue-Green ☐
Yellow / Yellow-Green / Yellow-Orange ☐
Red / Red-Orange / Red-Violet ☐

Types of Anticipated Activity:

Very Low Activity ☐
Low Activity ☐
Low- Moderate Activity ☐
High - Moderate Activity ☐
High Activity ☐
Very High Activity ☐

Typical Room Occupancy:

Solitary ☐
Couples ☐
Family ☐
More Family ☐
Discussions / Meetings ☐
Parties / Large Groups ☐

Available Light / All Sources:

Dark ☐
Low light ☐
Moderate ☐
Bright ☐
Very Bright ☐

Room Exposure:

South ☐
West ☐
Southeast ☐
Northwest ☐
East ☐
North ☐
No Exterior Exposure ☐

Desired Spatial Effect:

Large and Open ☐
Large but Contained ☐
Small but Spacious ☐
Small and Cozy ☐

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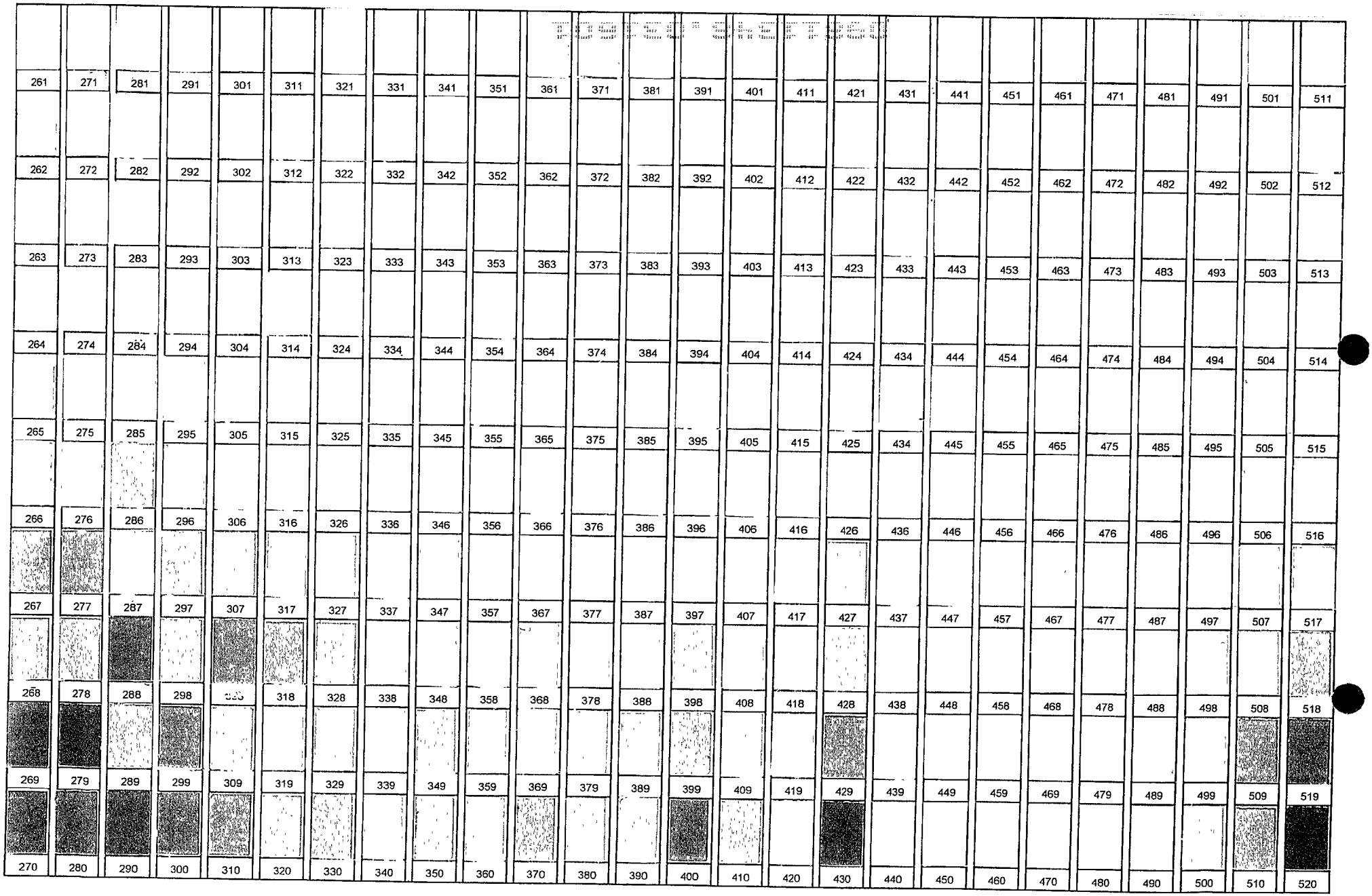
Figure 6



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NorthStar Color Guidance System

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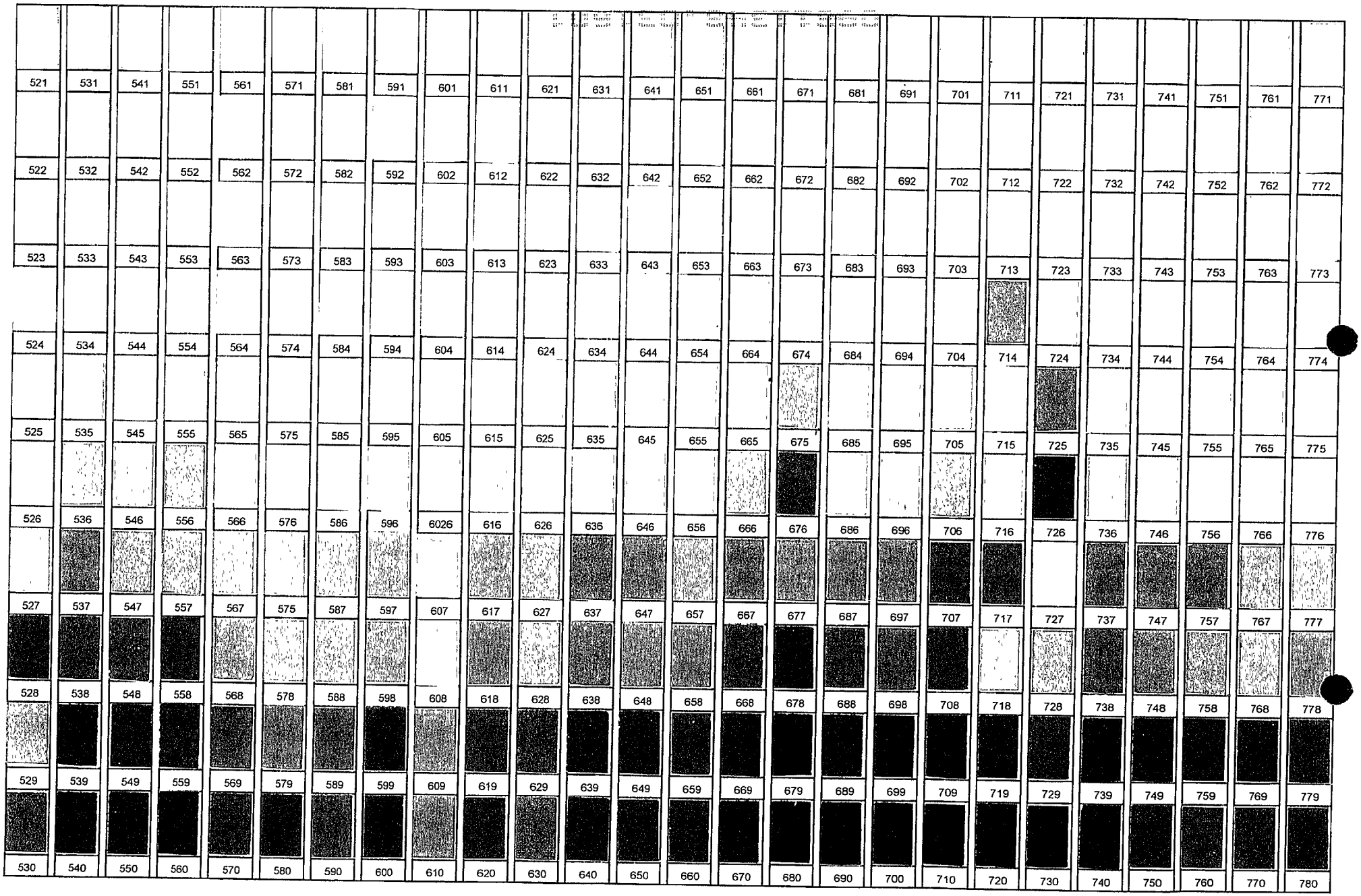
Figure 7B



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NorthStar Color Guidance System

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Figure 7C

TOASTED SLATED

Abbey Slate	159	Airland Blue	230	Allure	25	Angel Peach	524	Apricot Tone	525	Aspen Meadows	344	Azalea	558
Abbeystone	512	Airwaves	223	Almost Aqua	292	Antioch Blue	49	Aqua Frost	234	Aspenwood	342	Azurean	235
Abigail	495	Airway	203	Aloha Orchid	764	Antique Brass	420	Aqua Pool	239	Aspiration	146	Baby Birch	661
Absinthe	311	Airy	81	Alpaca	624	Antique Ivory	602	Aquamarine Blue	226	Aster Purple	18	Baby Girl	732
Acacia	460	Alabaster	772	Alphalpha	358	Antique Linen	374	Aquarill	232	Auburn	650	Bacchus	767
Academy Gray	183	Alaska Jade	185	Alpine	118	Applewood	426	Aquatint	242	Aureole	482	Bahama Sea	227
Adriatic Haze	92	Alaskan Blue	155	Amber Leaf	638	Apricot Brandy	539	Arabian Green	294	Autumn Brown	595	Banana Split	491
Aged Teakwood	660	Alden Charcoal	127	Amber White	471	Apricot Fluff	621	Artic Spring	442	Autumn Crocus	56	Barbados Green	287
Air Blue	61	Alder	658	Angean Rose	728	Apricot Liqueur	514	Aspen Light	154	Autumn Eve	35	Bath Salt	533

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Colors Contained on Example HLG (arranged in alphabetical order, not HLG order)
Page 1 of 13

Figure 8A

FOREIGN SELECTED

Abbey Slate	159	Airland Blue	230	Allure	25	Angel Peach	524	Apricot Tone	525	Aspen Meadows	344	Azalea	558
Abbeystone	512	Airwaves	223	Almost Aqua	292	Antioch Blue	49	Aqua Frost	234	Aspenwood	342	Azurean	235
Abigail	495	Airway	203	Aloha Orchid	764	Antique Brass	420	Aqua Pool	239	Aspiration	146	Baby Birch	661
Absinthe	311	Airy	81	Alpaca	624	Antique Ivory	602	Aquamarine Blue	226	Aster Purple	18	Baby Girl	732
Acacia	460	Alabaster	772	Alphalpha	358	Antique Linen	374	Aquarill	232	Auburn	650	Bacchus	767
Academy Gray	183	Alaska Jade	185	Alpine	118	Applewood	426	Aquatint	242	Aureole	482	Bahama Sea	227
Adriatic Haze	92	Alaskan Blue	155	Amber Leaf	638	Apricot Brandy	539	Arabian Green	294	Autumn Brown	595	Banana Split	491
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Air Blue	61	Alder	658	Angean Rose	728	Apricot Liqueur	514	Aspen Light	154	Autumn Eve	35	Bath Salt	533

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Colors Contained on Example HLG (arranged in alphabetical order, not HLG order)

Figure 8A

POSTED SHEET 250

Bavarian Brown	410	Bitsey Beige	662	Blue Beauty	65	Blue Gray	132	Blue Surf	78	Bone	402	Bread Pudding	666
Bayou Mist	182	Bitter Lime	337	Blue Charm	69	Blue Harmony	93	Blue Vein	157	Bonnie Blue	79	Breton	46
Bayou Waters	188	Black Eyed Susan	484	Blue Chiffon	82	Blue Ice	131	Blueprint	90	Boundary Waters	110	Bridesmaid Pink	754
Beauty Rose	704	Blanket Blue	136	Blue Earth	145	Blue Lotus	63	Blushing Pink	736	Bounding Main	186	Brigand	560
Beethoven Blue	119	Blazen Pink	759	Blue Eyes	135	Blue Manor	140	Bobby Blue	165	Bouquet Orchid	1	Bright Aqua	219
Belleek	611	Bleached Sand	572	Blue Fox Frost	64	Blue Mood	178	Boc Choy	355	Bouquet Yellow	466	Bright Jade	238
Bianca	462	Bleached Turf	353	Blue Frost	224	Blue Pansy	74	Boca Raton	578	Bracken Brown	605	Bright Lime	339
Biscuit	573	Bleu Celeste	44	Blue Glow	112	Blue Shadow	99	Boffin Green	199	Branch Bough	668	Bright Sienna	639
Bistre	443	Blonde Wood	415	Blue Goddess	133	Blue Suede	67	Bolivian	477	Brandy Flame	540	Bright Steel	123

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Colors Contained on Example HLG (arranged in alphabetical order, not HLG order)

Figure 8B

Briny Deep	190	Bungalow Blue	166	Calm Sky	221	Cane	423	Castilian	408	Ceylon Ivory	384	China Blue	137
Bristol Blue	100	Bunting Blue	162	Calypso Ruffel	739	Canyon Mauve	686	Castle Keep	160	Chablis	463	Chocolate Milk	655
Bronze Sheen	380	Burlap	586	Camel's Hair	574	Cape Green	297	Catalina	220	Chalk Beige	404	Chocolate Mousse	698
Brown Rose	675	Burnt Orange	629	Cameo Green	246	Carlsbad Canyon	424	Catfish	398	Charade	258	Chocolate Shake	614
Brownberry	699	Burn't Sugar	579	Cameron	577	Carmine	709	Cattail	569	Charade Pink	714	Cicely	106
Brushwood	610	Butterscotch Pie	626	Camouflage Tan	576	Carnation Petal	723	Cedar Rose	758	Cheesecake	476	Cinnabar	688
Buckeye	637	Cactus Flower	724	Candelabra	502	Carolina Green	316	Centennial Gold	470	Chelsea	372	Cinnaswirl	684
Budding Bough	359	Calfskin	565	Candleglow	503	Carousel Green	314	Ceramic Beige	613	Cherokee Tan	647	Clarion	499
Buff	405	Calliope	500	Candy Green	317	Cassel Brown	428	Ceramic Jade	289	Chimes	71	Clearwater	225

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Colors Contained on Example HLG (arranged in alphabetical order, not HLG order)

Figure 8C

PATENT PENDING

Cleo	371	Colonel's Lady	76	Copper Rust	690	Country Way	664	Cypress Green	271	Daybreak	17	Divinity	601
Cloudy Day	202	Colonial Peach	516	Coral Brown	696	Cove Green	284	Damask Rose	748	Deauville	383	Dixieland	124
Clove Dust	665	Confederate Blue	37	Coral Reef	706	Creamy Cucumber	291	Dandelion Green	310	Debonair	174	Dodge City Tan	388
Cocoa Bean	618	Contessa	389	Coral Sea	718	Crest	448	Danube	218	Debutante Pink	743	Dreamy Winters	103
Cocoa Candy	604	Contralto	21	Coral Tan	694	Cromwell Brown	677	Dark Sea	149	Deep Twilight	397	Dried Seaweed	368
Cocoa Mix	619	Cool White	261	Corinthian	717	Crystal Green	304	Dark Shadow	40	Delphinium	104	Dublin Delight	269
Cocoa Parfait	603	Copenhagen	117	Corn Yellow	475	Crystal Orchid	53	Date Palm	369	Delta Water	95	Duchess Blue	153
Cocoon	587	Copper Glow	710	Cornico Beige	685	Curry Light	446	Dauphin Gray	775	Demure Pink	712	Dune Beige	681
Cocotone	598	Copper Kettle	568	Cosmetic Pink	551	Curry Spice	377	Dawn Sun	547	Desert Sand	644	Dusty Coral	672

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Colors Contained on Example HLG (arranged in alphabetical order, not HLG order)

Figure 8D

TOSTED: SELECTED

Dusty Dawn	354	Egyptian Red	720	Evening Haze	12	Far Away	134	Flirtation	15	Friendly Sky	152	Gemstone	240
Dutch Blue	158	Empire Yellow	494	Evening Sun	636	Far Horizon	121	Florentine Blue	139	Frosted Mint	263	Gentle Yellow	455
Dutch Cream	581	Enchantress	729	Everfrost	281	Fawn Pink	703	Foam Frost	241	Frosty Toffee	616	German Chocolate	646
Dutchess Pink	738	Enchilada	555	Everglade	276	Feminique	721	Forget-Me-Not	62	Frosty Violet	51	Ginger	707
Earth Brown	599	Erin Isle	259	Fading Rose	695	Festive Pink	725	Fortunata	485	Frothy Orange	515	Ginger Brown	700
Earth Yellow	464	Ermine White	771	Fair Complexion	641	Fiord Blue	150	Franciscan Robe	607	Fudge	620	Glacial Green	262
Easter Green	286	Essex Green	360	Fairway	345	Fire Clay	708	Freemont Green	278	Garden Fantasy	283	Glacier Gray	395
Easton Brown	597	Eva	351	Fall Leaf	689	Flax	612	French Blue	45	Garland Blue	214	Gladiator	438
Echo	102	Evening Blue	42	Fantasy Pink	716	Flint Ridge	207	French Orchid	55	Geisha	765	Gladsome	483

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Colors Contained on Example HLG (arranged in alphabetical order, not HLG order)

Figure 8E

PATENT SHEETS

Gladstone	210	Golden Corn	497	Gray Beam	206	Green Boy	193	Green Hint	301	Green Terrace	280	Harbour Sky	84
Glazed Carrot	530	Golden Haze	488	Gray Beige	593	Green Cheer	307	Green Melody	285	Green Thumb	290	Harvest	425
Glen Green	295	Golden Laughter	490	Gray Button	774	Green Drift	197	Green Pearl	195	Greenella	330	Harvest Tan	617
Glendive	370	Golden Ochre	427	Gray Duck	116	Green Electra	328	Green Sapphire	268	Grenadier Gold	588	Hash Brown	570
Glint O' Gold	437	Gourmet Mustard	469	Gray Fog	205	Green Fields	338	Green Sigh	334	Grotto Blue	87	Heavenly Gray	114
Glisten	451	Grape	30	Gray Mood	779	Green Flash	247	Green Spark	253	Guava	279	Heavenly Scent	172
Glitter Gold	417	Grape Crush	59	Gray Tweed	38	Green Fog	192	Green Spirit	333	Gumdrop	273	Heirloom	248
Gobi Sands	506	Grape Sherbet	4	Great Smokies	777	Green Glitter	329	Green Stone	196	Gun Metal	209	Historic Blue	138
Golden Blond	492	Grass Green	299	Green Aspen	319	Green Glow	282	Green Suede	198	Happy Day	445	Hollandia	590

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Colors Contained on Example HLG (arranged in alphabetical order, not HLG order)

Figure 8F

Hollyhock	350	Icy Haze	211	Iris Petal	8	Japan Tan	375	Kitty Hawk	416	Leaf Scent	331	Light Earth	670
Honey Rose	563	Igloo	392	Irish Cream	643	Japonica	719	La Traviata	109	Leek	363	Light Nile	321
Honeycomb	436	India	649	Isle O' Green	250	Jasmine	486	Labrador Blue	125	Lemon Custard	473	Light Sky	212
Honeydew	343	India Green	187	Italian Earth	566	Jericho Tan	676	Lacquer Orange	520	Lemon Drop	447	Lightest Lavender	751
Honeysuckle Coral	536	Indian Corn	510	Ivanhoe Ivory	531	Jester	260	Lake Placid	175	Lemon Ice	453	Lilac Brook	3
Hot Mustard	419	Indian Tan	656	Ivory Tusk	411	Jewel Blue	85	Lavender & Lace	22	Lettuce Green	349	Lilac Bud	16
Huron Foam	222	Indian Turquoise	228	Ivory Vapor	571	Jewel Green	267	Lavender Silk	769	Light Apricot	623	Lilac Mauve	762
Hyacinth	9	Indigo Velvet	39	Jade Dream	257	Johnny Blue	72	Lavender Star	43	Light Chartreuse	336	Lilac Swish	11
Iced Coffee	648	Infinity	413	Jamacian Mist	251	Khaki	366	Leaf Bud	325	Light Coffee	406	Lilac Velvet	57

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Colors Contained on Example HLG (arranged in alphabetical order, not HLG order)

Figure 8G

TOASTED ALMOND

Lime Mist	324	London Dawn	101	Mango	518	Mayan	479	Milano	47	Mission Rose	693	Moonrock	418
Lime Tart	326	Lotus	705	Manhatten Beige	582	Mayfair Tan	657	Minced Onion	352	Misty Blue	68	Mortar Gray	773
Limequat	450	Lovebird Blue	83	Mariner's Gray	208	Meadow Sweet	763	Mineral Mauve	654	Misty Jade	254	Moss Green	309
Limesicle	315	Lover's Knot	552	Marseilles Blue	167	Mediterranean	177	Mineral Red	559	Misty Lilac	14	Mote	596
Lipstick	749	Lowell	575	Marsh Rose	747	Mellow Yellow	433	Miner's Gold	449	Misty Rose	746	Moulin	390
Little Boy Blue	75	Lunar Green	348	Martinique	170	Melody	528	Minnesota Green	270	Molly Pink	737	Mountain Marigold	498
Lively Lavender	52	Mainline Blue	86	Matthews Purple	7	Melon Green	346	Mint Cream	275	Monterey Green	306	Murmur	41
Lobster Bisque	534	Majestic	19	Mauve Blush	652	Merry Green	277	Mint Hill	272	Moon Morn	504	Nanking Blue	169
Lobster Shell	550	Malibu Sand	606	Mauve Mist	692	Midsummer	94	Mirage Lake	122	Moondance	422	Napolean	98

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Colors Contained on Example HLG (arranged in alphabetical order, not HLG order)

Figure 8H

TOASTED SHEETED

New Holly	320	Oakheart	580	Orange Flare	509	Oyster Gray	400	Pea Pod	298	Pearly Gates	381	Persian Silk	24
New Wave Green	204	Oakleaf Brown	679	Orange Gem	505	Pagoda Red	730	Peaceful	461	Pebblegold	457	Petal Peach	634
Night Fall	108	October Haze	632	Orange Glint	527	Painted Desert	750	Peach Beige	511	Peel Green	335	Petal Pink	744
Nordic Blue	96	October Leaves	645	Orange Paste	513	Pale Cadet	115	Peach Bloom	702	Peking	130	Peter Pan	264
Nordic Ice	91	Old Parchment	414	Orange Peel	519	Pale Citron	313	Peach Dust	542	Penguin	126	Pewter Cup	776
Norman Rose	697	Olive Bistre	459	Orange Scent	501	Panama	454	Peach Frosting	541	Pepo	379	Pigskin	429
Norwegian Blue	73	Olive Wood	376	Orange Supreme	529	Pansy Blue	60	Peach Velvet	545	Pepper	399	Pineapple Fluff	467
November Sky	33	Orange Berry	640	Oxford Cloth	142	Parasol Pink	752	Peach Whisper	522	Pepper Tree	378	Pink Flamingo	726
Oak Brown	589	Orange Drop	517	Oxford White	31	Pastel Jade	252	Peaches 'N Cream	543	Persian Melon	544	Pink Frost	701

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Colors Contained on Example HLG (arranged in alphabetical order, not HLG order)

Figure 8I

TOASTED SHEETED

Pink Hibiscus	731	Piquant Green	249	Polo Green	300	Prelude	113	Putty	364	Rich Plum	770	Russet Brown	687
Pink Love	755	Pixie Green	322	Poplar	387	Primeval	365	Queen Anne's Lace	452	Ripe Peach	635	Russet Pear	367
Pink Lustre	727	Placid Green	245	Porcelain	401	Prince	50	Radiance	487	Riviera Sand	386	Sable Brush	669
Pink Mums	715	Plantation White	382	Porcelain Green	256	Pristine Green	243	Ranch Mink	600	Riviera Sky	97	Sahara Sand	615
Pink Princess	745	Pleasant Pebble	532	Portland Blue	148	Provincial Tan	412	Raspberry Whip	733	Romaine	356	Salmon Mousse	554
Pink Sand	683	Polar Morn	164	Pottery Blue	107	Prudence	176	Red Java	678	Rosalind	740	Sand Dollar	403
Pink Shadow	671	Polished Brass	440	Powder Puff	562	Purple Angel	6	Redwood	680	Rosy Flesh	553	Sand Drift	393
Pink Tiara	742	Polk Gold	434	Prairie Sky	66	Purple Mystery	20	Rice Puff	583	Rough Sea	128	Santa Fe	557
Pipe Gray	129	Pollen	472	Precious Pink	753	Purple Ribbon	48	Rich Earth	659	Ruffles	161	Sap Green	305

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Colors Contained on Example HLG (arranged in alphabetical order, not HLG order)

Figure 8J

POSTED SELECTED

Satin Rose	760	September Glory	766	Siamese Green	266	Smoke Green	194	Snow Violets	23	Spring Burst	323	Strauss Waltz	147
Saturn	168	Sequoia Dark	394	Silver Fox	201	Smoke Ring	111	Sorcery Suede	537	Spring Thaw	303	Streamline	141
Savon Star	5	Shamrock	288	Silver Snow	151	Smoke Stain Rose	651	Sovereign Blue	70	Spring Yellow	444	Suede	430
Scallion	357	Sharp Green	318	Silver Spur	36	Smoked Heather	28	Spanish Nut	630	Springtide	327	Sugar Cookie	474
Scarborough	180	Shell Corn	633	Silver Velvet	594	Smoked Salmon	546	Spectrum Blue	89	Sprout	435	Summer Sun	456
Sea Sprite	231	Shocking Green	308	Sistine Blue	163	Smoked Seville	567	Spectrum Yellow	458	Squash	508	Sun Valley	480
Sea Teal	233	Shrimpette	535	Skinned Bark	439	Snappy Pink	757	Spice Beige	682	Sterling	32	Sunflower	489
Sea Vista	236	Shrimpy	556	Sky King	105	Snow Flower	713	Spicecake	667	Sterling Blue	77	Sunlight	468
September Cream	521	Shy Cream	691	Slate Gray	780	Snow Glow	143	Spring Bud	722	Stormy Blue	88	Sunlit Glade	265

Colors Contained on Example HLG (arranged in alphabetical order, not HLG order)

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Figure 8K

POSTED: 04/17/2020

Sunlit Sea	244	Tahiti Blue	216	Tawny Copper	628	Tibetan Gold	496	Tropic Turquoise	229	Tyrol Blue	144	Violet Sequin	10
Sunset Cloud	625	Tame Blue	213	Tea N Cream	584	Tidal Foam	302	Tropical Orchid	756	Unicorn Blue	179	Violet Shadow	26
Sunset Pink	734	Tan Blush	653	Temple Gold	407	Tile Tan	538	Tropical Punch	549	Vanilla Cream	421	Wall Street	156
Sunset Snow	711	Tan Wisp	663	Tender Pink	631	Tinge of Peach	642	Tropical Sky	173	Vanilla Ice	561	Washed Pebble	362
Sweet Jewel	523	Tanberry	674	Teton Blue	215	Titian Orange	548	Tulip Wood	609	Vapor Mint	191	Waterway	184
Sweet Lilac	58	Tangelo	627	Thistle	13	Toasted Macaroon	622	Tuscany Blue	29	Verbena	768	Weathered Gray	778
Swirl Green	255	Tangerine	507	Thistledown	441	Touch-O-Lime	312	Tuxedo Gray	34	Veridian	200	Weeping Willow	340
Symphony Blue	120	Tangy Glo	526	Tiara Turquoise	217	Tropic Mist	171	Twig Green	347	Vicuna	564	Wharf Green	189
Tabor Hill	274	Tarragon	608	Tiber Gold	409	Tropic Tan	585	Twilight Chimes	54	Village Green	296	Wheatland	385

Colors Contained on Example HLG (arranged in alphabetical order, not HLG order)

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Figure 8L

Whipped Cream	431	Winter Park	341	Yellow Begonia	478
Whisper Gold	481	Winter Rouge	735	Yellow Buff	493
Whisper Pink	741	Winter Sky	391	Yellow Quartz	432
White Lavender	761	Winter Whisper	181	Yorktown	27
White Shadow	591	Winter's Edge	373	Young Doe	673
Wild Blue	80	Worn Path	396	Your Shadow	592
Willow Leaf	332	Worn White	361		
Willowbrook	293	Yama Light	237		
Winsome Lilac	2	Yellow Aster	465		

Colors Contained on Example HLG (arranged in alphabetical order, not HLG order)
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Figure 8M

SUMMARY OF LOGIC

1. Select room to be decorated.	1. Together, designer & client choose.
2. Choose favorite Basic Color Family	2. Reduces number of columns to 26.
3. On a scale of 1 to 10, estimate the level of activity anticipated for this space. 10 might indicate a recreational space where, for example, people might be shooting pool, dancing, exercising, etc. 1 might indicate a room for sleeping, reading, or simply meditating.	3. Moves target indicator two columns in any given direction depending on the level of activity indicated by the customer. A ten would select the last two columns on the right in the direction of warmer colors; a three would select the 5th and 6th columns from the left boundary of the color family.
4. Next, estimate the number of people that will typically use the room. 10 would indicate large numbers of people; 1, solitary use such as a library or individual bedroom.	4. Fixes the target indicator on the row with 10 being on Row 1, 9 on Row 2, 8 on Row 3, etc. The target area is expanded four rows and four columns on each side from the intersection between the columns of step 3 and the target row chosen.
5. Now estimate the amount of natural light available in the room with 5 indicating no natural light, and 1 indicating a large amount.	5. A choice of 4or 5 moves the range to the top four rows of the target; choosing 3 to the middle four rows; 1 or 2 to the bottom four rows.
6. Guage the approximate exposure of the room.	6. N or E corresponds to the warmest two columns; etc.
7. Finally, consider spatial emphasis; how do you want to either enhance or overcome the room's inherent spatial limitations? Do you want the room to appear large and open, small and cozy, or somewhere in between?	7. The final eight choices are divided into quadrants, with each quadrant representing one of the four spatial emphases. Small & cozy matches up with the warmest and darkest two of the eight colors, etc.

Figure 9

EXPRESS MAIL NO. 694909615

```
Sheet1 = 1

Private Sub Worksheet_SelectionChange(ByVal Target As Excel.Range)

End Sub
```

Figure 10A

6949096 15

EXPRESS MAIL NO. _____

```
Sheet5 - 1

Private Sub Worksheet_SelectionChange(ByVal Target As Excel.Range)

End Sub
```

Figure 10B

EXPRESS MAIL NO. 69490 9615

```
ThisWorkbook - 1

Private Sub Workbook_Open()

' Clear worksheets 2 thru 6
    Sheets("ColorPref").Select
    Range("A1:Z10").Clear
    Sheets("ActOcc").Select
    Range("A1:O5").Clear
    Sheets("LitExp").Select
    Range("A1:Z10").Clear
    Sheets("RESULTS").Select
    Range("A1:Z10").Clear

' Turn off alerts
    Application.DisplayAlerts = False

' Show splash screen
    UserForm2.Show

End Sub
```

Figure 10C

EXPRESS MAIL NO. 694909615

```
UserForm1 - 1
```

```
' . activityLvl
Dim noOccupants
Dim lightLvl
Dim exposeLvl As String
Dim exposeNo
Dim rowCenter
Dim rowTop
Dim rowBottom
Dim colCenter
Dim colLeft
Dim colRight
Dim rowCount
Dim colCount

Private Sub AboutButton_Click()
    AboutInfo
End Sub

Private Sub ExitButton_Click()
    Application.Quit
End Sub

Private Sub FindButton_Click()

' Set color family
    Sheets("Color Chart").Select
        If Color.Text = "Blue / Blue-Green / Blue-Violet Family" Then
            Range("Blue").Select
        ElseIf Color.Text = "Yellow / Yellow-Green / Yellow-Orange Family" Then
            Range("Yellow").Select
        ElseIf Color.Text = "Red / Red-Orange / Red-Violet Family" Then
            Range("Red").Select
        Else
            MsgBox "Input error, programs halts.", vbcritial + vbOKOnly, _
                "Error!"
            Exit Sub
        End If
    Selection.Copy
    Sheets("ColorPref").Select
    Range("A1").Select
    ActiveSheet.Paste

' Set activity and occupancy levels
    activityLvl = CInt(Activity.Text)
    noOccupants = CInt(Occupancy.Text)

' Initialize counters
    rowCount = 0
    colCount = 0

' Figure new range center
    rowCenter = Int(9 - activityLvl)
    rowTop = rowCenter - 2
    rowBottom = rowCenter + 2
    colCenter = Int(3.4 * noOccupants + 1.6)
    colLeft = colCenter - 4
    colRight = colCenter + 4

   elect cells and copy --> ActOcc tab
    For colNumber = colLeft To colRight
        colCount = colCount + 1
        For rowNumber = rowTop To rowBottom
            rowCount = rowCount + 1
            Sheets("ColorPref").Select
```

Figure 10D

EXPRESS MAIL NO. 6949096 15

```
            Cells(rowNumber, colNumber).Select
            Selection.Copy
            Sheets("ActOcc").Select
            Cells(rowCount, colCount).Select
            ActiveSheet.Paste
        Next
        rowCount = 0
    Next

' Set light and exposure levels
    lightLvl = CInt(Light.Text)
    exposeLvl = Expose.Text
    If exposeLvl = "South" Then
        exposeNo = 1
    ElseIf exposeLvl = "West" Then
        exposeNo = 1
    ElseIf exposeLvl = "Southeast" Then
        exposeNo = 2
    ElseIf exposeLvl = "Northwest" Then
        exposeNo = 3
    ElseIf exposeLvl = "East" Then
        exposeNo = 4
    ElseIf exposeLvl = "North" Then
        exposeNo = 4
    ElseIf exposeLvl = "No windows" Then
        exposeNo = 5
    Else
        MsgBox "Input error, programs halts.", vbcritial + vbOKOnly, _
            "Error!"
        Exit Sub
    End If

' Initialize counters
    rowCount = 0
    colCount = 0

' Figure new range center
    rowCenter = Int(0.5 * lightLvl + 1.5)
    rowTop = rowCenter - 1
    rowBottom = rowCenter + 1
    colCenter = Int(exposeNo + 2)
    colLeft = colCenter - 2
    colRight = colCenter + 2

' Select cells and copy --> LitExp tab
    For colNumber = colLeft To colRight
        colCount = colCount + 1
        For rowNumber = rowTop To rowBottom
            rowCount = rowCount + 1
            Sheets("ActOcc").Select
            Cells(rowNumber, colNumber).Select
            Selection.Copy
            Sheets("LitExp").Select
            Cells(rowCount, colCount).Select
            ActiveSheet.Paste
        Next
        rowCount = 0
    Next

' Spatial emphasis effects
    If Spatial.Text = "Large & Open" Then
        rowTop = 1
        rowBottom = 2
        colLeft = 1
        colRight = 3
    ElseIf Spatial.Text = "Large but Contained" Then
        rowTop = 1
        rowBottom = 2
        colLeft = 3
```

Figure 10E

EXPRESS MAIL NO. 694909615

```
        colRight = 5
    ElseIf Spatial.Text = "Small but Spacious" Then
        rowTop = 2
        rowBottom = 3
        colLeft = 1
        colRight = 3
    ElseIf Spatial.Text = "Small & Cozy" Then
        rowTop = 2
        rowBottom = 3
        colLeft = 3
        colRight = 5
   Else
        MsgBox "Input error, programs halts.", vbcritial + vbOKOnly, _
            "Error!"
        Exit Sub
    End If

' Initialize counters
    rowCount = 0
    colCount = 0

' Select cells and copy --> RESULTS tab
    For colNumber = colLeft To colRight
        colCount = colCount + 1
        For rowNumber = rowTop To rowBottom
            rowCount = rowCount + 1
            Sheets("LitExp").Select
            Cells(rowNumber, colNumber).Select
            Selection.Copy
            Sheets("RESULTS").Select
            Cells(rowCount, colCount).Select
            ActiveSheet.Paste
        Next
        rowCount = 0
    Next

' Present results
    UserForm1.Hide
    UserForm3.Show

End Sub

Private Sub ResetButton_Click()
' Reset form
    Color.Text = "Blue / Blue-Green / Blue-Violet Family"
    Activity.Text = "1"
    Occupancy.Text = "1"
    Light.Text = "1"
    Expose.Text = "South"
    Spatial.Text = "Large & Open"
' Reset worksheets
    Sheets("ColorPref").Select
    Range("A1:Z10").Clear
    Sheets("ActOcc").Select
    Range("A1:I5").Clear
    Sheets("LitExp").Select
    Range("A1:E3").Clear
    Sheets("RESULTS").Select
    Range("A1:C2").Clear
End Sub

Private Sub UserForm_Initialize()
    Color.List() = Array("Blue / Blue-Green / Blue-Violet Family", _
        "Yellow / Yellow-Green / Yellow-Orange Family", _
        "Red / Red-Orange / Red-Violet Family")
    Activity.List() = Array("1", "2", "3", "4", "5", "6")
    Occupancy.List() = Array("1", "2", "3", "4", "5", "6")
    Light.List() = Array("1", "2", "3", "4", "5")
    Expose.List() = Array("South", "West", "Southeast", _
```

Figure 10F

EXPRESS MAIL NO. 6949096 15

```
        "Northwest", "East", "North", "No windows")
    Spatial.List = Array("Large & Open", "Large but Contained", _
        "Small but Spacious", "Small & Cozy")
' Reset Worksheets
    Sheets("ColorPref").Select
    Range("A1:Z10").Clear
    Sheets("ActOcc").Select
    Range("A1:I5").Clear
    Sheets("LitExp").Select
    Range("A1:E3").Clear
    Sheets("RESULTS").Select
    Range("A1:C2").Clear
End Sub

Private Sub UserForm_QueryClose(Cancel As Integer, CloseMode As Integer)
    If CloseMode = vbFormControlMenu Then
        MsgBox "You can't close this form like that.", vbOKOnly, "Error!"
        Cancel = True
    End If
End Sub
```

Figure 10G

EXPRESS MAIL NO 694909615

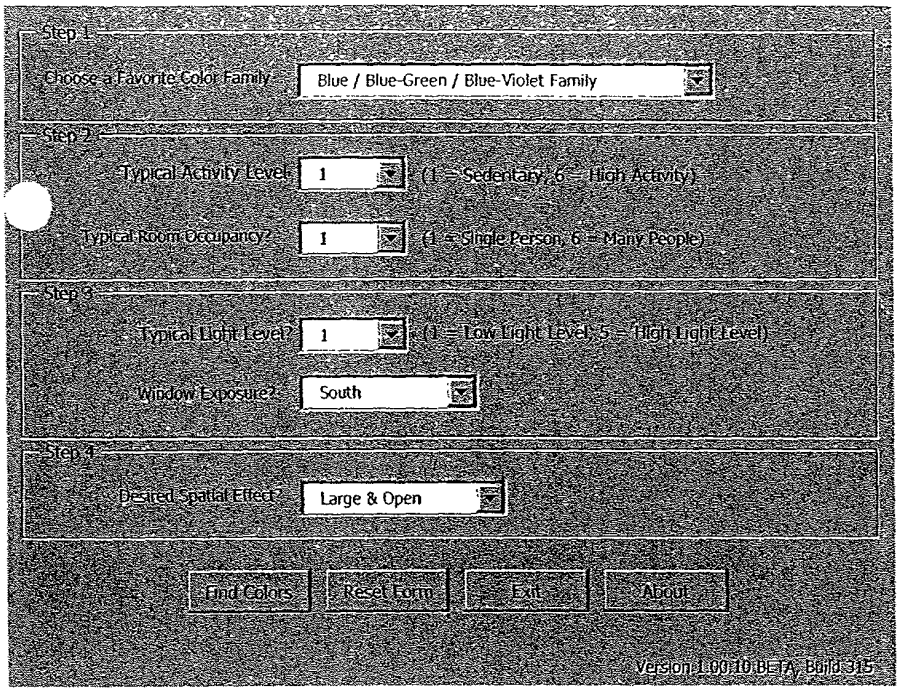


Figure 10H

EXPRESS MAIL NO. 6949099615

```
UserForm2 - 1

' NorthStar CGS Splash Screen

Private Sub UserForm_Activate()
    Application.OnTime Now + TimeValue("00:00:03"), "KillTheForm"
End Sub

Private Sub UserForm_QueryClose(Cancel As Integer, CloseMode As Integer)
    If CloseMode = vbFormControlMenu Then
        MsgBox "You can't close this form like that.", vbOKOnly, "Error!"
        Cancel = True
    End If
End Sub
```

Figure 10I

EXPRESS MAIL NO. 694909615

```
UserForm3 - I

' Results presentation dialog box
Private Sub returnButton_Click()
    Unload UserForm3
    UserForm1.Show
F   Sub

Private Sub UserForm_QueryClose(Cancel As Integer, CloseMode As Integer)
    If CloseMode = vbFormControlMenu Then
        MsgBox "You can't close this form like that.", vbOKOnly, "Error!"
        Cancel = True
    End If
End Sub
```

Figure 10J

694909615
EXPRESS MAIL NO. _____

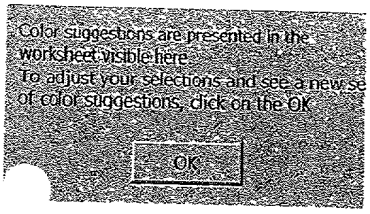


Figure 10K

EXPRESS MAIL NO. 694909615

```
Module1 - 1

' About Box verbage
Sub AboutInfo()
    About1$ = "NorthStar Color Guidance System"
    About2$ = "Version 1.00.10 BETA Build 315"
    About3$ = "Copyright 1999 NorthStar Marketing Co., LLC"
    About4$ = "All rights reserved."
    Abouttitle$ = "About this program..."

    MsgBox About1$ & Chr$(13) & Chr$(13) & About2$ & Chr$(13) & _
        About3$ & Chr$(13) & About4$, vbInformation, Abouttitle$
End Sub
```

Figure 10L

EXPRESS MAIL NO. 6949096 15

```
Module2 - 1

Private Sub KillTheForm()
    Unload UserForm2
    UserForm1.Show
End Sub
```

Figure 10M

EXPRESS MAIL NO. 6949096 15

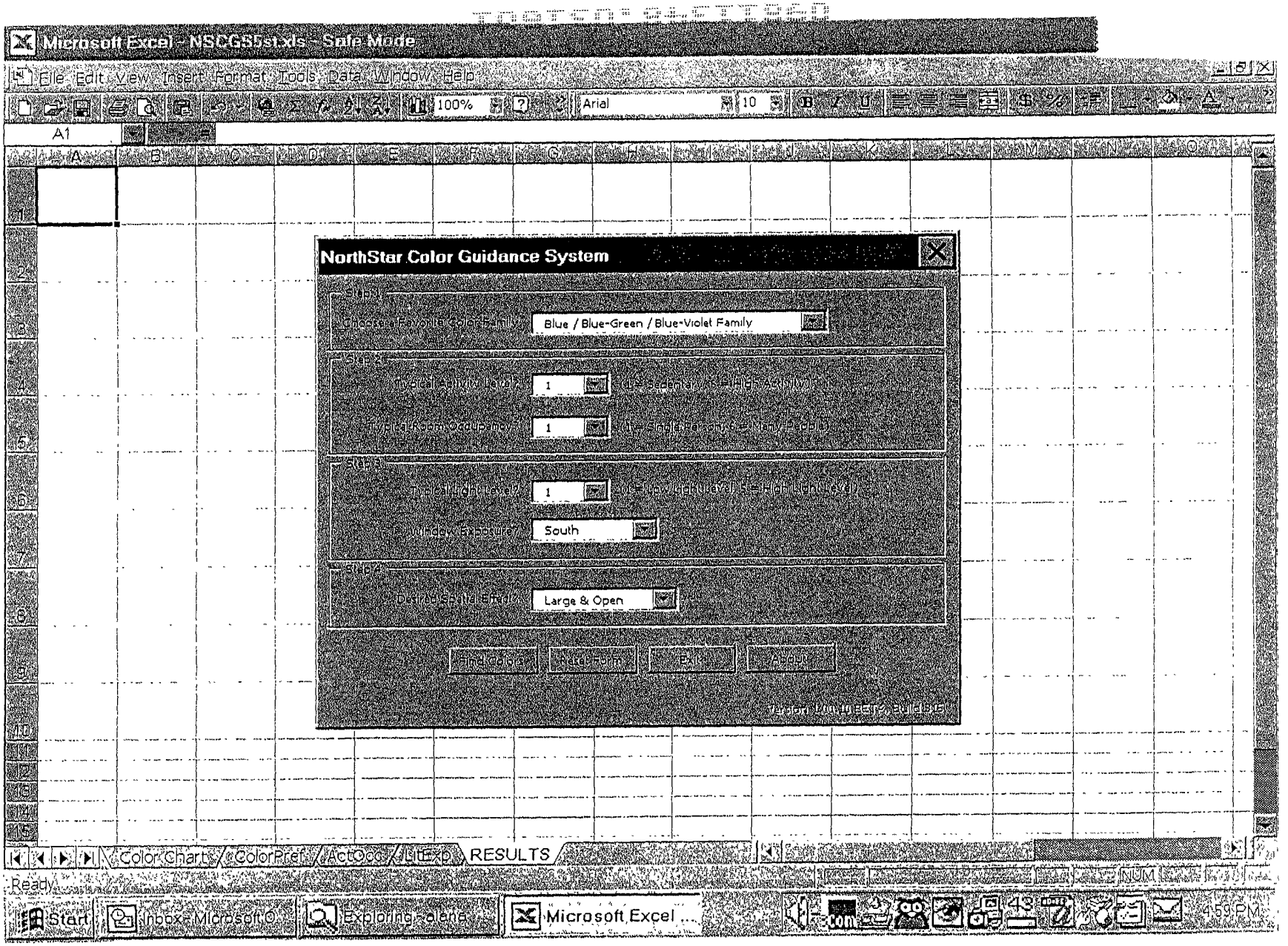


Figure 10N

EXPRESS MAIL NO. 6949096 15

PATENT APPLICATION

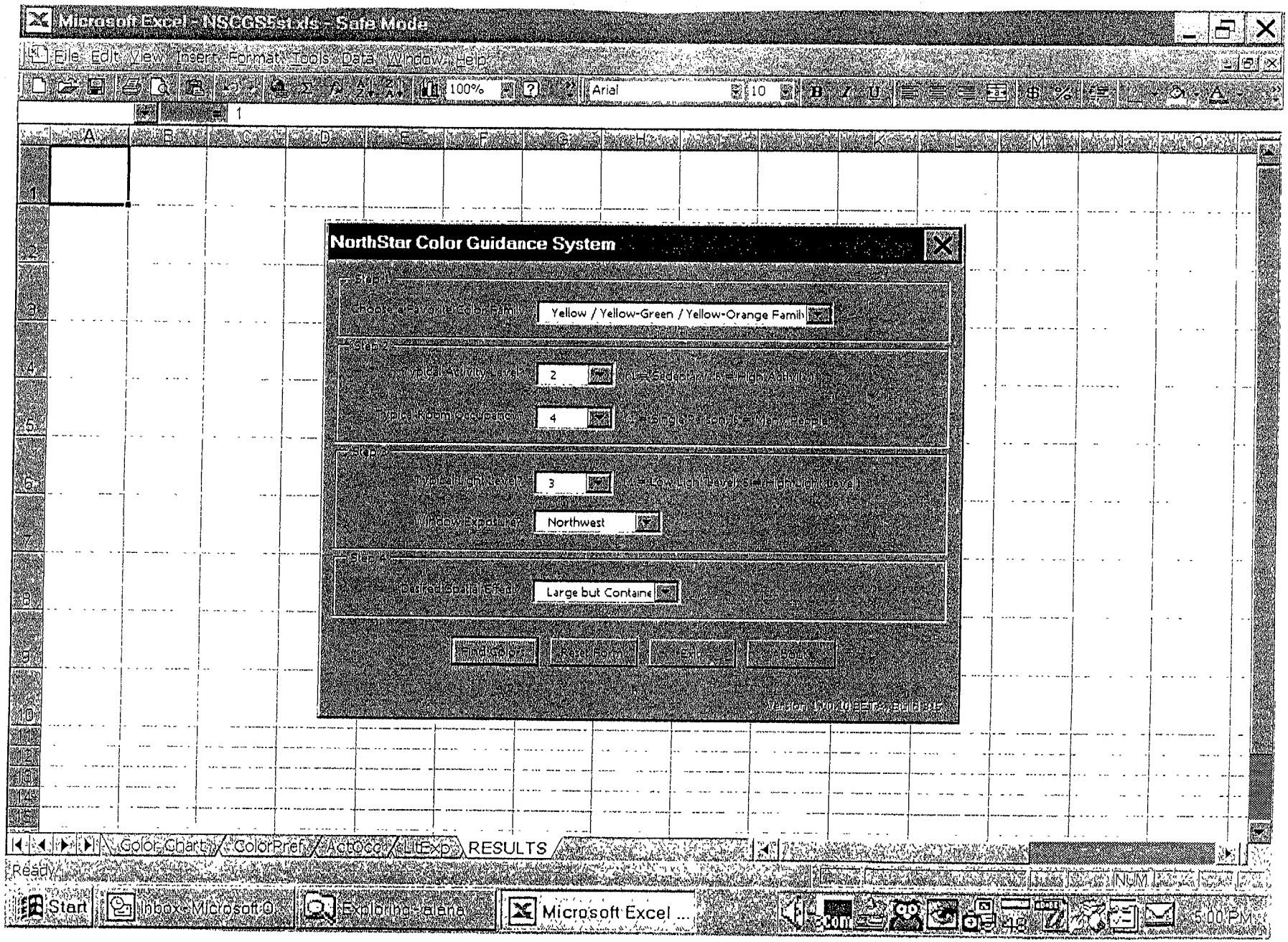
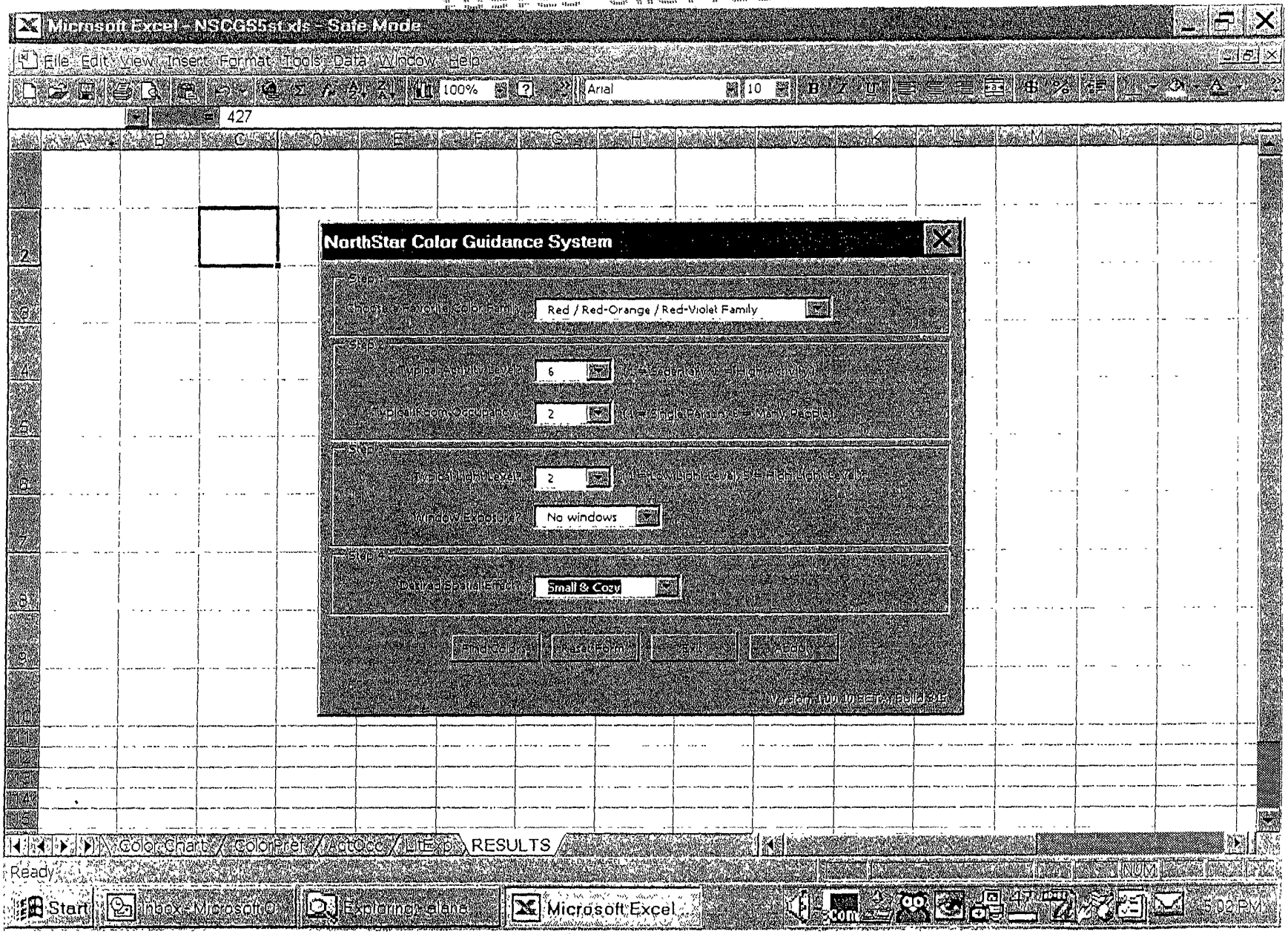


Figure 10O

EXPRESS MAIL NO.
6949096 15



EXPRESS MAIL NO. 6949096 15

Figure 10P

EXPRESS MAIL NO. 69490915

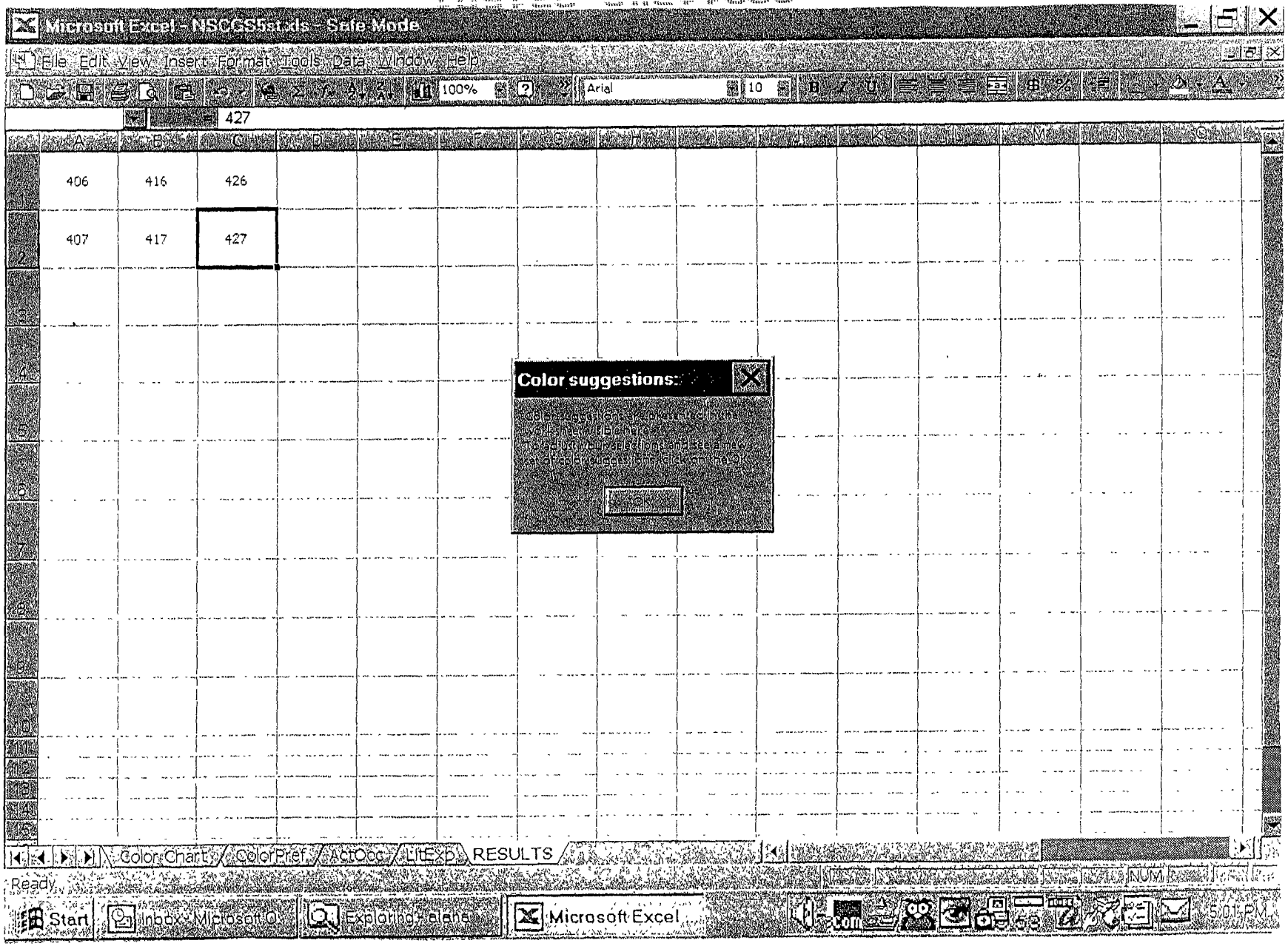


Figure 10Q

EXPRESS MAIL NO. EV 699090615

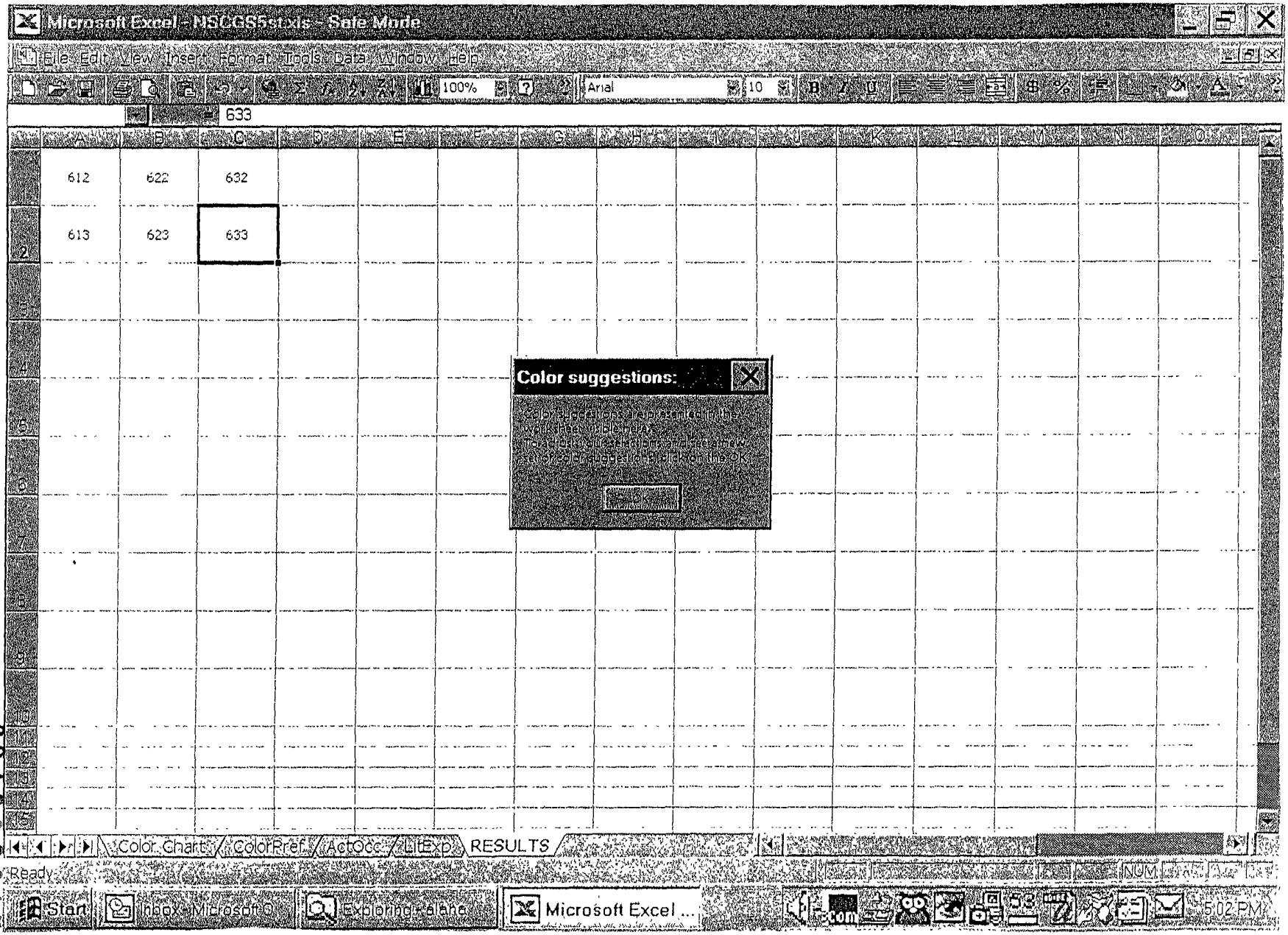


Figure 10R